

Curriculum Vitae

Sahar Allam

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Universität Potsdam, Germany	May 1998
Institute, Göttingen, Germany	Apr – Dec 1993
Cairo University, Egypt	Nov 1991
School for Young Astronomers	10 – 28 Sep 1990
Astronomy, Cairo University, Egypt	Sep 1988
Cairo University, Egypt	May 1986

of Interacting Galaxies
er Hasinger, Astrophysikalisches Institut Potsdam (AIP)
endorp, AIP
otthard Richter, AIP

Experience:

Study of isolated galaxies in the SDSS Data; Study of merging galaxies in the SDSS Data; Study of compact groups in the SDSS Data ; Study of clusters of galaxies in the SDSS Data ; (NMSU)	June 2003 – present
Study of isolated galaxies in the SDSS Early Data; Study of merging galaxies in the SDSS Early Data Release; Study of compact groups in the SDSS Early Data Release; Study of compact groups in the Las Campanas Redshift Survey; (Fermilab)	Dec 2000 – May 2003
Study of compact groups in the Las Campanas Redshift Survey; Teaching undergraduate astronomy courses; Analysis of high resolution FIR image processing (NRIAG)	Apr 2000 – Dec 2000
Study of compact groups in the Las Campanas Redshift Survey; Analysis of high resolution FIR image processing (Fermilab)	Sep 1999 – Apr 2000
Study of compact groups in the Las Campanas Redshift Survey; Teaching undergraduate astronomy courses; Analysis of high resolution FIR image processing (NRIAG)	Feb 1999 – Sep 1999
Data Reduction and analysis for the SDSS PT Study of compact groups in the Las Campanas Redshift Survey; Analysis of high resolution FIR image processing (Fermilab)	Oct 1998 – Feb 1999
Teaching undergraduate astronomy courses; Analysis of high resolution FIR image processing (NRIAG)	May 1998 – Oct 1998
High resolution FIR image processing using Maximum Entropy Techniques (AIP)	Dec 1993 – May 1998
Observations and photometric reductions (Kottamia Observatory 74 in. telescope, Egypt)	1986 – 1991

Research Interests:

Compact groups of galaxies, star formation, far infrared photometry,
interacting & merging galaxies, Seyfert galaxies

Academic Awards:

Deutsche Akademische Austausch Dienst (DAAD) Fellowship, Grant # 562

Professional Societies:

Egyptian Astronomical Society

American Astronomical Society

Computing Skills:

Operating Systems: Linux, UNIX, VAX

Programming Languages: Tcl, mysql, FORTRAN, awk

Astronomical Processing: astrotools, sdssQT, IRAF, GAIA, SExtractor, Starburst99,
Gipsy, MaxEnt

Refereed Publications:

- Issa A., **Allam S.** 1991, 'Surface Distribution of Dark Clouds in M31 II,' *Ap&SS*, 176, 275
- Issa A., **Allam S.**, Al-Shalapy M. 1992, 'Absorption Gradient in Some Galaxies IV,' *Ap&SS*, 189, 123
- Issa A., **Allam S.** 1992 'Absorption Gradient in Galaxies V,' *Ap&SS*, 190, 57
- Allam S.**, Assendorp R., Longo G., Richter G. 1995, 'The Far-IR Emission from Compact Groups of galaxies,' *P&SS*, 43, 1371
- Allam S.**, Assendorp R., Longo G., Braun M., Richter G. 1996, 'Far Infrared Properties of Hickson Compact Groups of Galaxies. I. High Resolution IRAS Maps and Fluxes,' *A&AS*, 117, 39
- Allam S.**, Tucker D., Lin H., Hashimoto Y. 1999, 'Star Formation in Las Campanas Compact Groups,' *ApJL*, 522, 89
- Allam S.**, Tucker D. 2000, 'Compact Groups in the Las Campanas Redshift Survey,' *Astr. Nachr.*, 321, 101
- Tucker D., Oemler A., Hashimoto Y., Shectman S., Kirshner R., Lin H., Landy S., Schechter P., **Allam S.** 2000, 'Loose Groups of Galaxies in the Las Campanas Redshift Survey,' *ApJS*, 130, 237
- Doroshkevich, A., Tucker, D.L., **Allam S.** 2002, 'Large Scale Structure in the SDSS Galaxy Survey', *MNRAS* submitted, astro-ph/0206301
- Smith J. A., Tucker D., **Allam S.**, Rodgers 2003, 'Local $u'g'r'z'$ Standard Stars in the Chandra Deep Field-Southr', in press Oct 2003 in *ApJ*, Vol 126 astro.ph..7024
- Einasto, J., H^utsi, G., Einasto, M., Saar, E., Tucker, D., M^uller, V., Hein^uam^uaki, P.; **Allam, S.S.** Clusters and superclusters in the Sloan Digital Sky Survey 2003 *A&A*, 405, 425
- Smith J. A., Tucker D. L., **Allam S.**, Rodgers 2003, Local $u'g'r'z'$ Standard Stars in the Chandra Deep Field-South in press Oct 2003 in *ApJ*, Vol 126 astro.ph..7024
- Einasto, J.; Einasto, M.; H^utsi, G.; Saar, E.; Tucker, D. L.; Tago, E.; M^uller, V.; Hein^uam^uaki, P.; **Allam, S. S.** Clusters and Superclusters in the Las Campanas Redshift Survey in press *A&A* 2003astro-ph/0304546
- H^utsi, G.; Einasto, J.; Tucker, D. L.; Saar, E.; Einasto, M.; M^uller, V.; Hein^uam^uaki, P.; **Allam, S.S.** Luminosity function and density field of the Sloan and Las Campanas Redshift Survey in press *A&A* 2002astro.ph.12327
- Abazajian et al. 2003, The First Data Release of the Sloan Digital Sky Survey in press *AJ*, astro-ph/0305492
- Doroshkevich, A., Tucker, D. L., **Allam, S.**, Way, M. J. Large Scale Structure in the SDSS DR1 Galaxy Survey 2003astro.ph..7233
- Allam S.**, et al. 2003, 'Merging Galaxy Pairs in the SDSS Early Data Release,' *ApJ*, submitted

- Lee B., **Allam S.**, Tucker D., et al. 2003, 'Compact Groups in the SDSS Early Data Release,' in submitted ApJ
- Rider C., et al., 2003, 'A Survey of Southern Hemisphere Open Clusters in the $u'g'r'i'z'$ Filter System: I. Results for NGC2548 (M48) submitted ApJ
- Deustua, S.E., et al., 2003, 'Calibration of the Snap Program' in preparation
- Rider C., et al., 2003, 'A Survey of Southern Hemisphere Open Clusters in the $u'g'r'i'z'$ Filter System: II. Results for Nine Well Characterized Clusters'
- Rider C., et al., 2003, 'A Survey of Southern Hemisphere Open Clusters in the $u'g'r'i'z'$ Filter System: I. Results for Nine Well Characterized Clusters' in preparation
- Allam S.**, et al. 2003, 'Isolated Galaxies in the SDSS DR1 Data Release,' in preparation
- Allam S.**, Tucker, D. 2003, 'The Environments of Las Campanas Compact Groups of Galaxies,' in preparation
- Allam S.** 2003, 'FIR Properties of Interacting/Merging galaxies,' in preparation
- Allam S.**, Assendorp R., Richter G., Hasinger G., Karachentsev I. 2003, 'Far Infrared Catalogue for Karachentsev Pairs,' in preparation
- Allam S.**, Tucker D., Voges W., Böhringer H. 2003, 'X-Ray Emission from Las Campanas Compact Groups of Galaxies,' in preparation

Conference Proceedings and Others:

- Allam S.**, Issa A. 1992, 'Surface Distribution of Dark Clouds in M31: Absorption Gradient along the Minor Axis and in the R and θ Direction II,' *Fourth Scientific General Meeting of NRIAG*, Nov. 23-28, 1992
- Issa A., **Allam S.**, Al-Shalapy M. 1992, 'Absorption Gradient in Some Galaxies IV,' *Fourth Scientific General Meeting of NRIAG*, Nov. 23-28, 1992
- Issa A., **Allam S.** 1992 'Absorption Gradient in Galaxies V,' *Fourth Scientific General Meeting of NRIAG*, Nov. 23-28, 1992
- Allam S.**, Assendorp R., Longo G., Richter G. 1994, 'Far Infrared Catalogue for Hickson Compact Groups,' *Astronomische Gesellschaft Tagung*, Potsdam, Sep. 26-30, 1994
- Allam S.** 1997, 'High Resolution Study of Interacting Galaxies,' *Astronomische Gesellschaft Tagung*, Berlin, Nov. 18-19, 1997
- Allam S.** 1998, 'Compact Groups of Galaxies in the Las Campanas Redshift Survey,' *BAAS, 193rd Meeting of the AAS*, #02.03
- Allam S.**, Tucker D. 2000, 'An Atlas of Compact Groups from the Las Campanas Redshift Survey,' *BAAS, 195th Meeting of the AAS*, #12.08
- Allam S.** 2000, 'Las Campanas Compact Groups: Star Formation Properties,' in *Small Galaxy Groups*, IAU Colloquium 174, ASP Conf. Series, Vol. 209, eds. M. J. Valtonen & C. Flynn, (San Francisco: ASP), p. 355
- Allam S.**, Tucker D., 'Physical Properties of Compact Groups of Galaxies in the Las Campanas Redshift Survey,' *Eighth General Scientific Meeting of NRIAG*, Nov. 11-15, 2000
- Lee B., Tucker D., **Allam S.** 2001, 'Compact Groups of Galaxies in the SDSS Early Data Release,' *BAAS, 199th Meeting of the AAS*, #110.019
- Doroshkevich A., Tucker D., Vanden Berk D., **Allam S.**, 'Spatial Distribution of Quasars in the 2QZ 10K Release and the SDSS Early Data Release,' in *Lighthouses of the Universe*, eds. A. J. Banday et al., (Springer Verlag), in press
- Lamb, D.Q., Snedden, S., vanden Berk, D.E., **Allam S.**, Tucker, D.L., Lee, B.C., Harvanek, M., Kleinman, A.N., Kleinman, S., Krzesinski, J., Long, D., Newman, P.R., 2002, 'GRB020531(=H2042): optical observations,' *GRB Circular Network*, 1403, 1
- Hackman C.L., Smith J.A., Canterna R.W., Tucker D.L., Neilsen E.H., **Allam S.**, Stoughton C., Chen B., Newberg H.J., Pier J.R., 'An Investigation of the Age and Metallicity of Galactic Star Clusters' *BAAS, 200th Meeting of the AAS*, #09.03
- Smith J.A., Rodgers C.T., Tucker D.L., **Allam S.**, Jorgensen A., 'The Southern Hemisphere $u'g'r'i'z'$ Standard Star Network,' *BAAS, 200th Meeting of the AAS*, #58.06
- Allam S.**, Tucker D.L., 'Interacting/merging pairs in the SDSS EDR' *BAAS, 200th Meeting of the AAS*, #40.12

Newman, P.R, Lamb, D.Q., Tucker, D.L., **Allam S.**, Lee, B.C., , vanden Berk, D.E., Harvanek, M., Kleinman, A.N., Kleinman, S., Krzesinski, J., Long, D., Snedden, S., on behalf of the SDSS GRB team, 2002, 'GRB021112 (=H2448): optical observations,' GRB Circular Network, 1695, 1

Allam S., Tucker D.L., Smith J. A., 'Properties of Merging Pairs in the SDSS EDR' BAAS, *201th Meeting of the AAS*, #52.09

Smith J.A., Tucker D.L., **Allam S.**, Jorgensen A., 'Southern Standard Stars for the u'g'r'i'z' System' BAAS, *201th Meeting of the AAS*, #104.08

Smith, J.A.; Laubscher, B.E.; **Allam Sahar S.**, Bohlin, Ralph C.; Deustua, S.E.; Lampton, M.; Kent, S.; Mufson, S.; Mostek, Nick J.; Richmond, M.W., Tucker D.L. 'The Snap Standard Star Program'

Smith, J.A.; Laubscher, B.E.; **Allam S.S.**, Bebek, C.J.; Bohlin, R.C.; Deustua, S.E.; Lampton, M.; Kent,S.; Mufson, S.; Mostek, N., Tucker D.L. 'Calibration of the Snap Program' 2003, IAUS, 216, 103

References:

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